



DOLBY PC ENTERTAINMENT EXPERIENCE

DESIGNED FOR DOLBY® MASTER STUDIO™

Motherboards that feature the Designed for Dolby Master Studio logo deliver the ultimate Dolby audio presentation capabilities.



Dolby Technologies Provided with the Motherboard Include

Dolby Digital EX
Dolby Digital Live
Dolby Pro Logic IIx
Dolby Headphone
Dolby Virtual Speaker

At a Glance

The ultimate Dolby surround sound experience.

High-quality audio for a richer, more natural and engaging listening experience.

Advanced levels of audio control for the power to tailor the listening experience to your preferences.

Ideal for home networking entertainment devices.

The best choice for PC gamers—get the Dolby surround sound advantage.

Flexibility to choose your playback experience: via headphones, two speakers, or 7.1 channels of surround sound.

Perfect for sharing the entertainment experience with family and friends.

Transforms stereo and 5.1-channel content into 7.1 full channels of stunning surround sound.

Available on motherboards featuring the Intel® Express Chipset Family with Intel High Definition Audio.

The Designed for Dolby® Master Studio™ logo helps consumers identify motherboards that have been developed and tested to meet Dolby Laboratories' rigorous audio specifications, ensuring they can deliver the highest-quality Dolby audio entertainment experience, rivaling entertainment experiences from advanced consumer electronics.

PCs built with Designed for Dolby Master Studio motherboards, quality components, and Dolby tested and approved software applications are capable of delivering the ultimate set of Dolby audio presentation capabilities with support for up to 7.1 channels of surround sound, designed to bring your entertainment to life.

Amaze your family and friends with 7.1 channels of surround sound, delivering the most natural and engrossing Dolby entertainment experience possible from DVD movies, music, games, and TV. Dolby Master Studio merges advanced audio rendering with flexible controls and powerful digital signal processing to give you the power to tailor the listening experience to your media, mood, listening environment, and audience.

Dolby 7.1-Channel Surround Sound

Delivers the ultimate set of Dolby audio presentation capabilities, with support for up to 7.1 channels of surround sound. Dolby Master Studio gives you the ability to tailor the listening experience to your media, mood, and audiences.

100 Percent Compatibility

Compatible with your favorite playback applications, including Windows Media® Player, iTunes®, Musicmatch®, DVD players, streaming media players, personal video recorder (PVR)/TV tuners, and personal media libraries.

Simplified Connectivity

A single digital connection is all that's needed to play back all PC-based audio through an A/V receiver equipped with Dolby Digital, eliminating the confusion, hassle, and clutter of multiple cables for surround sound from games, DVDs, music, and other entertainment content.

Integration

Designed for Dolby Master Studio motherboards are built to Dolby Laboratories' audio connectivity specifications, making them ready for seamless integration with home theater sound systems.

The chart at right compares the two Dolby PC Entertainment Experience “Designed for” technology bundles by their ingredient technologies.

Technology Comparison

Designed for Dolby® Home Theater™

Designed for Dolby® Master Studio™

Delivered in Codec Driver		
Digital Audio for Playback	Dolby Digital Live	Dolby Digital EX* Dolby Digital Live
Surround Sound Expansion	Dolby Pro Logic II	Dolby Pro Logic IIx
Virtual Surround Sound	Dolby Headphone Dolby Virtual Speaker	Dolby Headphone Dolby Virtual Speaker

* Dolby Digital EX support provided via Dolby Pro Logic IIx

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Technologies Provided with Designed for Dolby Master Studio Motherboards

Dolby Digital EX

Dolby Digital EX creates a rich surround sound home theater experience by adding a sixth channel to content encoded in Dolby Digital Surround EX™. Dolby Digital EX bridges the “gap” between Left and Right Surround channels and provides more accurate locations of surround signals originating directly behind the listener.

Dolby Digital Live

Dolby Digital Live technology transforms all PC signals into a Dolby Digital bitstream. For PC games, Dolby Digital Live’s real-time encoding reproduces the audio cues and effects that follow onscreen events, putting you in the center of the action.

Dolby Pro Logic IIx

Dolby Pro Logic® IIx delivers a seamless, natural, 6.1- or 7.1-channel surround sound listening experience. Dolby Pro Logic IIx processes any stereo, 5.1, or Dolby Digital Surround EX encoded content into 6.1 or 7.1 playback channels, depending on speaker configuration.

Dolby Headphone

Dolby Headphone technology delivers a spacious surround sound experience through any pair of headphones. Dolby Headphone also improves listening comfort and reduces “listener fatigue” often associated with headphone use. Dolby Headphone is perfect for travelers, late-night movie watchers, or anyone without a surround sound speaker setup. Plus, you can choose between three room modes, Studio, Cinema, and Hall, to tailor your experience to the content.

Dolby Virtual Speaker

Dolby Virtual Speaker technology gives you a realistic 5.1 surround sound experience from just two speakers. Dolby Virtual Speaker is ideal for environments where a 5.1 speaker setup is not practical.

Technologies Work Seamlessly Together

Dolby Headphone and Dolby Virtual Speaker were engineered to work in concert with Dolby Digital and Dolby Pro Logic IIx. This way, you can access the full potential of your entire library of music, games, movies, and more.

Unified Audio Controls

Audio controls for all Dolby premier technologies are now centralized in one user interface.

Motherboards Tested and Approved by Dolby

Buy with confidence, knowing that PC motherboards that wear the Designed for Dolby Master Studio logo have been developed, manufactured, and tested to meet Dolby Laboratories’ rigorous audio specifications, ensuring they deliver a high-quality personal surround sound experience.

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